West Hollywood Solid Waste Design Guidelines

(Rev. October 2025)

Below are some general guidelines to assist in solid waste planning for new development projects.

Note: Athens Services provides hauling services and the data provided here is based on general assumptions. There are numerous factors that can impact the assumptions provided, such as the volume of waste generated, bin, cart or compactor size, frequency of service, etc. It is recommended that Athens provide review of proposed waste plans prior to the City granting approval.

To properly determine the space needed for solid waste storage, it is important to understand how much solid waste the site (residential or commercial) is generating.

Residential Service

For planning purposes, standard service for residential (1-4 units), will be cart service. Proper space will need to be allocated for a minimum of 3 carts per unit.

Residential Type	Total Waste Weekly (cubic yards)	Equipment	Collection Frequency
Residential (1- 4 units) Cart Service	1 yd^3	1 Qty. 64 Gallon Trash Cart 1 Qty. 64 Gallon Recycle Cart 1 Qty. 64 Gallon Green/Organics Cart	1/Week

**Note that customers may order different cart sizes, and increase quantities, based on their individual needs.*

Standard service for residential (5 units for more) should include one trash (3 yd^3), one recycle (3 yd^3), and one organics bin (2 yd^3). Under this assumption, a total of 18 yd^3 of trash, 18 yd^3 of recycle, and 12 yd^3 of organics waste can be collected each week.

Residential Type	Total Waste Weekly (yd^3)	Equipment	Collection Frequency
1-25 Units	Up to 18 yd^3 (trash) Up to 18 yd^3 (recycle) Up to 12 yd^3 (organics)	1 Qty. 3 Yard Bin (Trash) 1 Qty. 3 Yard Bin (Recycle) 1 Qty. 2 Yard Bin (Organics)	Up to 6 Days/Week
26-49 Units	Up to 36 yd^3 (trash) Up to 36 yd^3 (recycle) Up to 24 yd^3 (organics)	2 Qty. 3 Yard Bin (Trash) 2 Qty. 3 Yard Bin (Recycle) 2 Qty. 2 Yard Bin (Organics)	Up to 6 Days/Week
50 Units & Over	Over 30 yd^3	Compactor Service*	TBD

** There are various types of compactors available, depending on the project design. See attached compactor information for more details.*

Commercial Service

Below are some general guidelines for commercial service.

Commercial Type	Total Waste Weekly (yd^3)	Equipment	Collection Frequency
Up to 10,000 sf	Up to 18 yd^3 (trash) Up to 18 yd^3 (recycle) Up to 12 yd^3 (organics)	1 Qty. 3 Yard Bin (Trash) 1 Qty. 3 Yard Bin (Recycle) 1 Qty. 2 Yard Bin (Organics)	Up to 6 Days/Week

For buildings over 10,000 square feet, see some typical uses are listed below. These are general guidelines to assist in forecasting solid waste generation. Projects should be evaluated individually in conjunction with Athens Services to determine accurate service level.

Business Type	**Total Waste Weekly (yd^3)**	**Business Type**	**Total Waste Weekly (yd^3)**
Warehouse/Supermarket/ Department Store Per 10,000 sq. ft.	48 yd^3	Hotel w/Restaurant (Per 25 rooms)	9 yd^3
Office Building Per 1,000 sq. ft.	3 yd^3	Schools (with Cafeteria) Per 450 Students	15 yd^3
Shopping Center (No restaurants) Per 1,000 sf	9 yd^3	Restaurant - Sit Down (Per 80 seats)	36 yd^3
Retail (No restaurants) Per 1,000 sf	9 yd^3	Restaurant - Fast Food	9 yd^3
Hospital/Nursing Home (Per 10 beds)	6 yd^3	Drug Store	9 yd^3

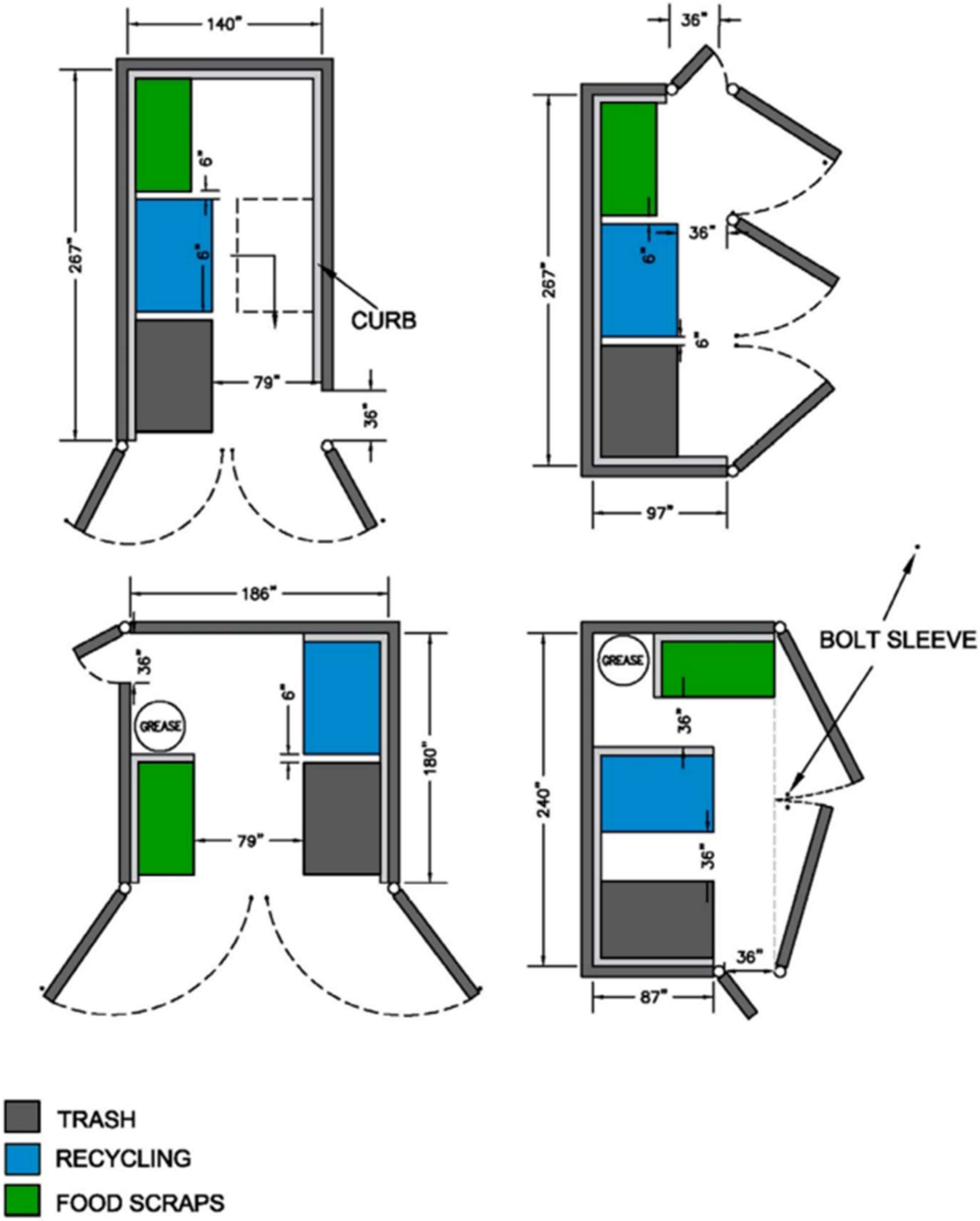
Container Specifications

Container	**Width**	**Depth**	**Height**	**Equivalent Containers**	**Notes**
32 Gallon	20”	23”	39”	N/A	N/A
64 Gallon	37”	28”	41”	2 Qty. 32 Gallon Carts	N/A
96 Gallon	29”	34”	45”	3 Qty. 32 Gallon Carts	N/A
1 yd^3	72”	24”	28”	3 Qty. 64 Gallon Carts	N/A
1.5 yd^3	72”	29.5”	34.5”	3 Qty. 96 gal carts	N/A
2 yd^3	72”	34.5”	41.5”	4 Qty. 96 gal carts	N/A
3 yd^3	72”	41.5”	50.5”	6 Qty. 96 gal carts	N/A
4 yd^3	72”	50.5”	57”	8 Qty. 96 gal carts	Not available for Organics
3 yd^3 Compactor	74”	45”	51”	N/A	N/A

Optional: Bin with caster, add 8” to height.

Sample Enclosure Options

Below are some example schematic drawings of trash enclosures for bin service. Each image includes two 3 yd^3 bins and one 2 yd^3 bin. These are examples and are not to scale and will require engineer/architect design. Some commercial businesses may require grease waste storage as depicted in two of the schematic diagrams. Bins cannot be stacked. All bins must be individually accessible to the hauler for services (ie Hauler should not need to move any bins to access another). Each enclosure design will need to be evaluated by Athens Services on a per project basis. Enclosure doors cannot encroach onto the public right-of-way or any adjacent parking. Sliding doors can be implemented if desired.



Suggested Material for Path of Travel

Clean, smooth concrete should be used on path of travel for movement of bins from enclosure.
Do not use material such as brick or decorative concrete.

Required Clearances for Path of Travel and Subterranean Enclosures

Clearance along path of travel should allow for at least 6 inches of clearance on either side for bin(s) to be moved from enclosure.

Any pedestrian access aisles should be at least 36 inches wide.

Distance from the enclosure to the street shall be no longer than 30’ for Valet Service.

Access for solid waste shall be facilitated by each project’s driveway. No additional curb cuts will be allowed for solid waste access.

For subterranean enclosures, 22’ of vertical clearance is required for vehicle to enter and bin to be dumped.

Compactor Service

Compactor service is required for any project that generates 6-7 tons of waste per month (50 units or any mixed use properties that generate this volume of waste.)

Size and type of the compactor vary from each account and customer need, but some standard size compactors are provided in the attached documentation. The type of compactor used will also determine which type of truck will be used to haul. Contact Athens Service in the planning stage and before installing compacting units.

Compactor Risers

***Specifications are dependent on the specifics of the compactor model implemented. The design specifications will need to come from either the manufacturer or designed by an engineer.**

Riser Height	Vertical Clearance
0' (No riser)	25'
2'	17'
4'	14'

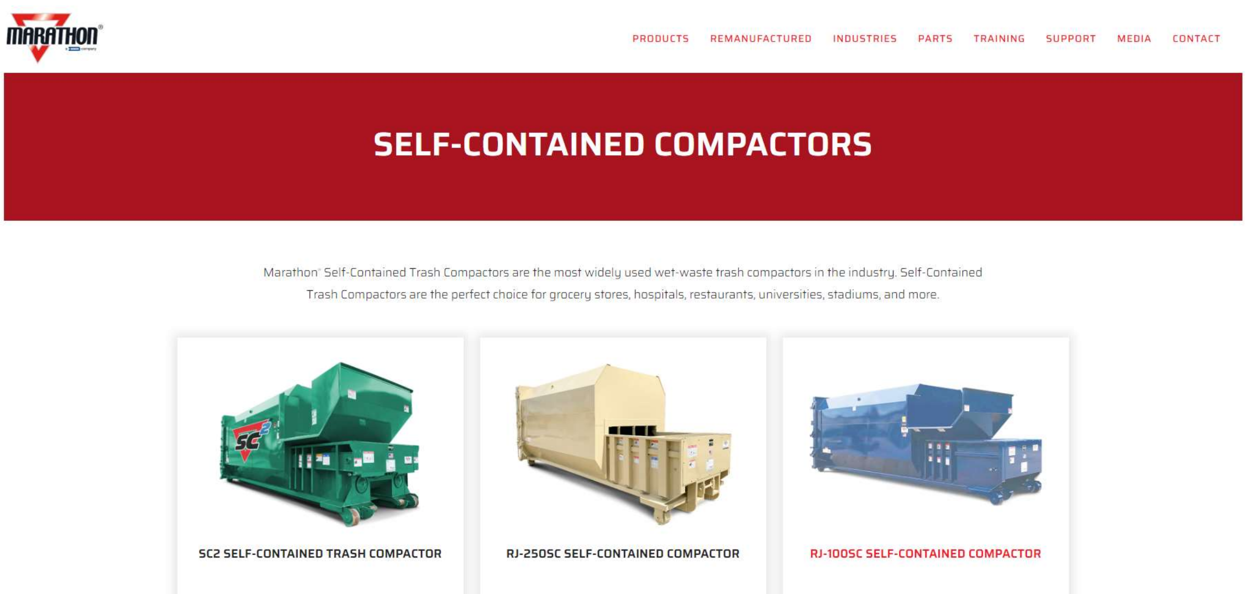
RJ-88SC Compactor and RJ-88SC-HT Compactor

The RJ-88 Self-Contained Compactor is the ideal compaction equipment for waste with high liquid content...

RJ-250SC and RJ-250SC-HT Compactors

Our RJ-250 units are state-of-the-art in roll-off self-contained compactors, featuring over-sized feed openings and expanded container storage capacity...

For more information, visit https://wessconw.com/all-compactors/self-contained-compactors/



For more information, visit https://www.marathonequipment.com/product-type/self-contained-compactors/

Below are some general guidelines for compactor service for West Hollywood. These guidelines apply to subterranean developments. *Note: Athens Services provides hauling services and the data provided here is based on general assumptions. There are numerous factors that can impact the assumptions provided, such as the type of compactor, size, etc. It is recommended that Athens provide review of proposed waste plans prior to the City granting approval.*

Compactor Size

Size and type of the compactor vary from each account and customer need, but some standard size compactors are provided in the attached documentation. The manufacturer should provide capacity and the dimensions. The type of compactor used will also determine which type of truck will be used to haul. Contact the hauler in the planning stage and before installing compacting units.

Truck Types

Athens Services could potentially use 2 types of trucks to provide hauling services for compactors. Either a front end loading vehicle will be used, or a roll off truck will be used to service the compactor.

General Assumptions: Clearance Requirements

For self-contained compactors, a roll off truck will be used and need the following clearance requirements:

- Vertical (approach and exit) 17’ high
- Vertical (rails raised with bin) 25’ high
  - When moving a compactor from the direct floor, a 25’ clearance (from the ceiling to the ground) is needed to allow for the hoist.
- Lateral 10’ wide
- Service Area Length Minimum 75’ long
- Turning Radius: (see attached radius calculations)
- Note: When moving a compactor from a dock, a wench is used that will roll the compactor from the dock directly onto the truck. The hoist cables on the truck are used to roll the compactor.

For vertical compactor service, front end loading vehicles will be used and need the following clearance requirements:

- Vertical (approach and exit) 17’ high
- Vertical (when dumping bin) 25’ high
- Lateral 15’ wide
- Turning Radius 45’

Turn Radius Calculation

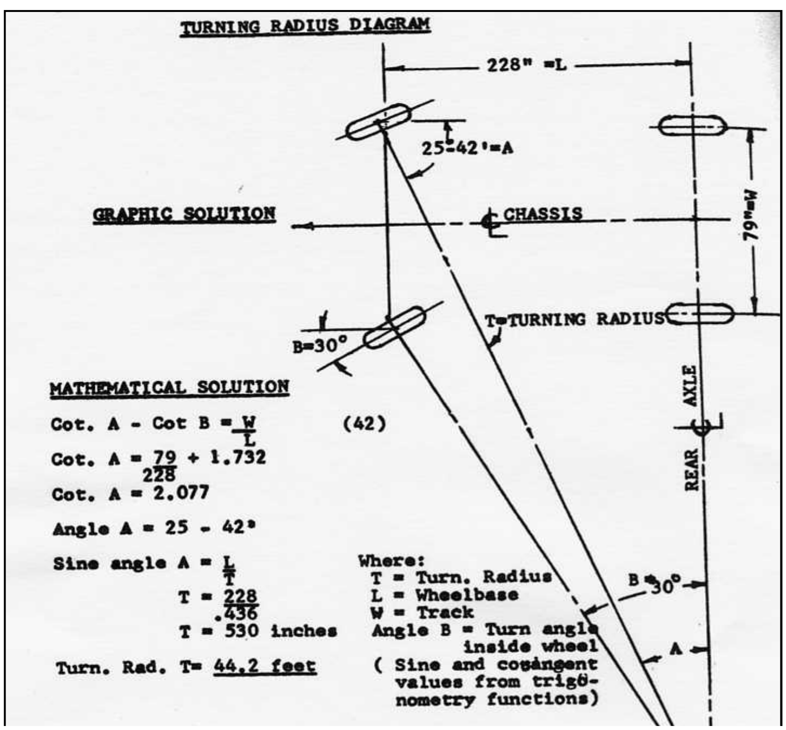
24-Jun-04

AUTOCAR ACX W/ 50 Degree

Roll-Off

Enter the known values				
Tires=	315/80R22.5		Width	12.5
Wheels=	22.5 x 9.00		Inset	3.12
Axle=	Meritor 20K		drum-drum	94.08
Track =	87.84	inches		
Max Turn Angle =	50.00	degrees =	0.8726	radians
Wheelbase =	210.00	inches		

Minimum Turning Radius =	29.74	Feet	9.064728	Meters
Curb - Curb Turn Diameter=	60.52	Feet	18.44696	Meters



Sample Turning Radius Diagram

Axle Width							
	Beam	Spindle	In Brg	Hub	Drum	Dr-Dr	
FL 941	68.5	4.76	2.1	4.18	0.5	91.58	
MFS20	71	4.76	2.1	4.18	0.5	94.08	
MFS14	71.5	4.19	1.51	5.19	0.5	94.28	
				Track Calcs			
	Steel						Alum
o/a width	8.25	9 (5.25)	9 (7)	12.25	13		8.25
	79.22	81.08	78.82	78.82	78.82		80.16
o/a width							
	81.72	83.58	81.32	84.58	83.58		82.66
o/a width				101.08	101.38		

Cot A - Cot B = W/L

T = Turning Radius

L = Wheelbase
W = Track

Angle B = Turn Angle inside wheel

Cot B =	0.8391	
W/L =	0.4183	
Cot A =	1.2574	
Angle A =	0.6719	radians
Angle A =	38.50	degrees

Sin Angle A = (L/T)

Sin A =	0.6224	
T =	337.38	inches
T =	28.12	feet

Tandem Axle Scrub Factor=		1.04
4x2	1.00	
6x4	1.04	
8x4	1.08	

	MFS-20	94.12
	FL Drum-Drum	91.62
	FG Drum-Drum	92.25
Note:	.5 thick drum	

Tire	Width
315/80R22.5	12.5
11R22.5	11.3
12R22.5	11.4
385/65R22.5	14.9
425/65R22.5	16.5
445/65R22.5	17.8
455/55R22.5	17.6
Steel	
8.25	6.18

9	7	6.38
9	5.25	5.25
12.25	4.75	4.75
13	5.25	5.25
Alum		
8.25		5.71
9	*7*	*6.02*
9	3.12	3.12
12.25		4.75
13		5.25

9 (3.12)	9 (7)	12.25	13
85.34	79.54	82.08	81.08
87.84	82.04	84.58	83.58

Self-Contained Compactors

CRAM-A-LOT®
J.V. Manufacturing, Inc.
Solid Waste & Recycling Equipment

WASTEC MEMBER

PRSM

GSA Federal Supply Service

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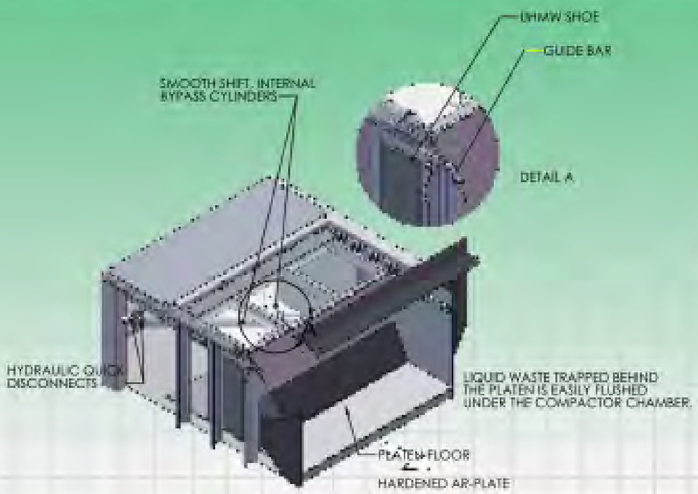
"Equipping The World For A Better Environment"

Features



< Remote Power Unit

500 Ton 30 ft Press Break >

Ram Guide System
The Self-Contained cross cylinder ram features side mounted full length Ultra-High Molecular Weight (UHMW) guides to support the ram providing uncompromising longevity and reliability.

Door Protector
Prevents roll-off hoist cable from contacting the door frame, preventing bent doors and leaking seals.

Lockable Door Latch
Hopper door can be locked preventing unauthorized usage.

Sub Floor Sump
Self-Contained Compactor sub floor is separated from the container floor to form a tunnel to allow liquids to drain from behind the ram when emptying.

Programmable Relay Controls
Self-Contained Compactors by Cram-A-Lot are designed to use a readily available non-proprietary programmable relay.

Single Piece Side Sheet and Floor
Cram-A-lot's manufacturing plant uses a 30 foot 500 ton press break to form sides and floors allowing no vertical seems.

Rear Gate Hinge & Seal
Self-Contained Compactors have a full door seal and a 3 point door latch that provides excellent compression and sealing properties.

Rust Inhibiting Primer
Self-Contained Compactors are primed with rust inhibiting red oxide primer to reduce corrosion.

All Cram-A-Lot compactors conform to all current ANSI Z 245.2 safety standards

All information is subject to engineering and/or other changes without notice.

Door Protector >

< Door Latch w/Padlock Hasp

Door Custom Fitted to Container >

< Catch Latch

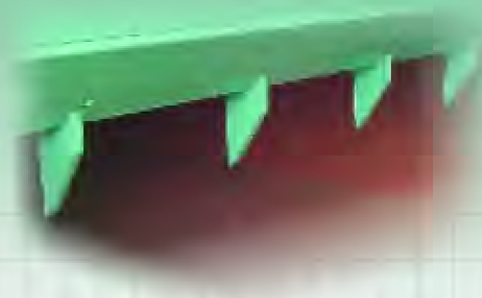
< Full Door Seal

Rust Inhibiting Primer

Special Options Available

Remote Controls

Color Coded Pressure Gauge



Hinged Breaker Bar Teeth

Key Operation
All compactors, come with on/off switch as mandated by ANSI Z 245.2 safety standards. Cram-A-lot offers additional options for increased levels of safety.

Color Coded Pressure Gauge
The color coded gauge indicates 50%, 75% and 100% fullness. The gauge is more accurate then fullness lights.

Oil Heater
Ideal for cold climate areas. The oil heater automatically maintains the oil at 70 degrees.

Hinged Breaker Bar Teeth
Hinged breaker bar teeth hold trash in place, preventing trash from springing back into the chamber.

Ozone Odor Neutralizer
Odor neutralizers like the Sonozaire circulate the ozone, permitting it to search out and destroy odor molecules. The result is a clean-smelling area, which does not harbor and protect bacteria ending odor complaints and assuring customer satisfaction.

Oil Heater

Odor Neutralizer

Warranty

Cram-A-Lot® 1-2-3 Warranty

J.V. Manufacturing will furnish without charge:

1) All parts and labor expenses through the first year of ownership to remedy any faults proven to be the result of defective materials or workmanship.
2) All parts through the second year of ownership to remedy any faults proven to be the result of defective materials or workmanship.
3) All labor expenses through the third year of ownership to remedy any structural faults proven to be the result of defective materials or workmanship.

This warranty does not apply to any damage caused by negligence, misuse, modifications, alterations, or accidents by purchaser or third parties.
Refer to operation manual for specific warranty coverage.

Standard and Special Applications

Hydraulic Tailgate

**Integral Rear Feed
Cart Dumper**

**Side Load
Through-The-Wall
Break-A-Way Hopper**

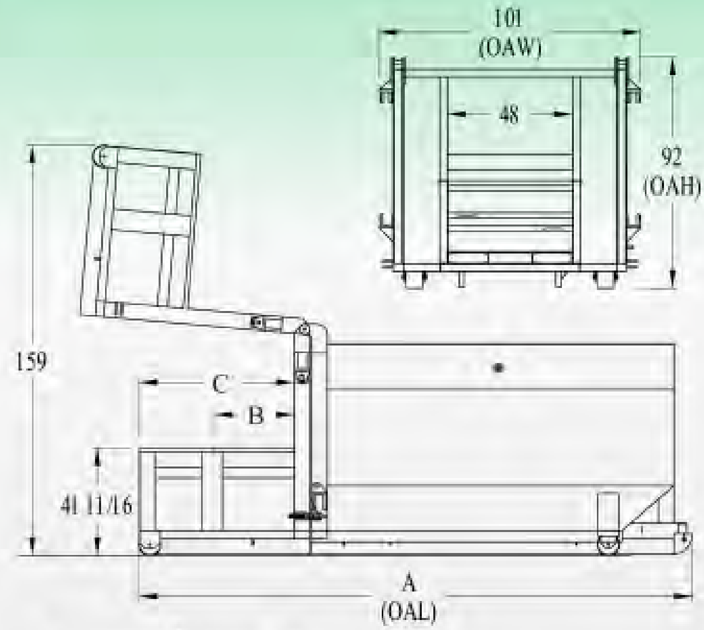
**Walk-On
Full Enclosure**

**Rear Load
Through-The-Wall
Break-A-Way Hopper**

CRAM-A-LOT®
J.V. Manufacturing, Inc.
Solid Waste & Recycling Equipment

ELECTRICAL FEATURES ON ALL MODELS

UL Listed Control Panel
Only Major Brand Electrical Components Used
Weather Tight Electrical Enclosure

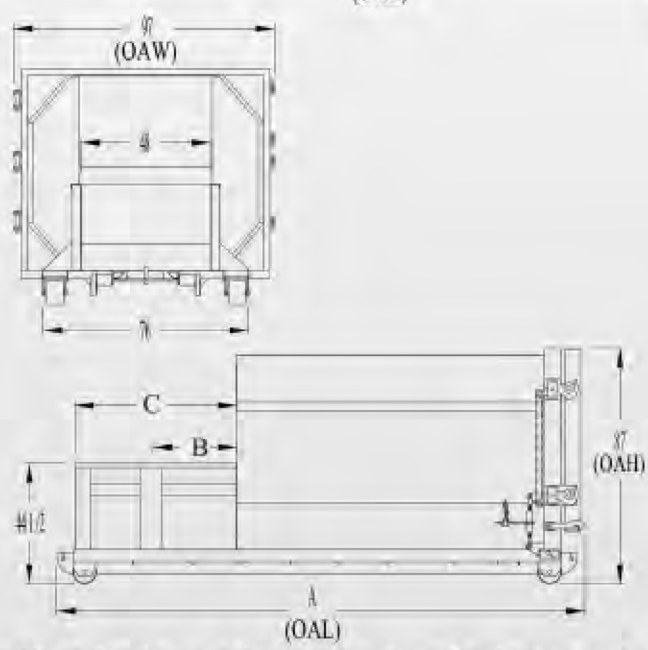


ONE YARD SELF-CONTAINED COMPACTOR

Specifications

		SC-T1-10/15/20	SC-T1-16/20/25-HTG
Charge Box Capacity		1 Cu Yd	1 Cu Yd
WASTEC Rating		0.75 Cu Yd	0.75 Cu Yd
Clear Top Opening		46"	46"
Theoretical Cycle Time		28 Sec	28 Sec
Total Force	Normal	44,200 lbs	44,200 lbs
	Maximum	53,000 lbs	53,000 lbs
Ram Face Pressure	Normal	40.0 Psi	40.0 Psi
	Maximum	48.0 Psi	48.0 Psi
Ram Face Dimensions, W X H		48" x 23"	48" x 23"
Ram Penetration		6"	6"
Motor - 3Phase - 208/230/460 Vac		10 Hp	10 Hp
Pump Capacity		10.5 Gpm	10.5 Gpm
Hydraulic Reservoir Capacity		22 gal	22 gal
Hydraulic Cylinder	Bore Dia.	Two, 4"	Two, 4"
	Stroke	26"	26"
	Rod Dia.	2"	2"
Operating Pressure	Normal	2000 Psi	2000 Psi
	Maximum	2400 Psi	2400 Psi

DIMENSIONS	(A) OVER ALL LENGTH	(B) CLEAR TOP LENGTH	(C) PACKER LENGTH	BASE UNIT WEIGH	NORMAL CONTAINER CAPACITY
SC-T1-10	13' - 2"	31"	60"	6,500 lbs	10 CU YD
SC-T1-15	16' - 6"	31"	60"	7,000 lbs	15 CU YD
SC-T1-20	19' - 10"	31"	60"	7,500 lbs	20 CU YD
SC-T1-16-HTG	18'	31"	60"	8,000 lbs	16 CU YD
SC-T1-20-HTG	19' 8"	31"	60"	8,200 lbs	20 CU YD



** Above drawings are shown with universal understructures. **

Self-Contained Compactors Units can be custom designed and factory installed to suit your special applications

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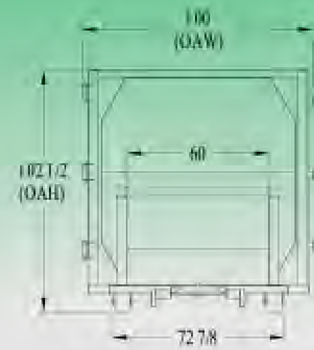
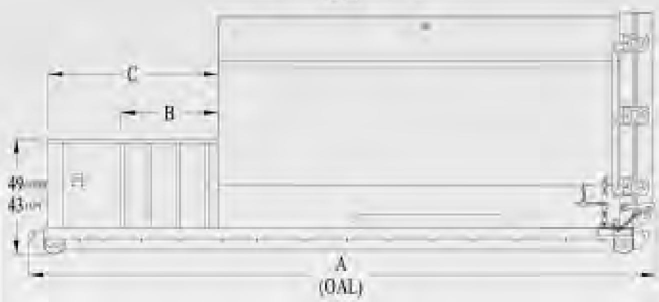
ELECTRICAL FEATURES ON ALL MODELS

- UL Listed Control Panel
- Only Major Brand Electrical Components Used
- Weather Tight Electrical Enclosure



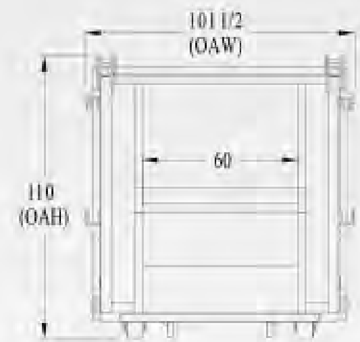


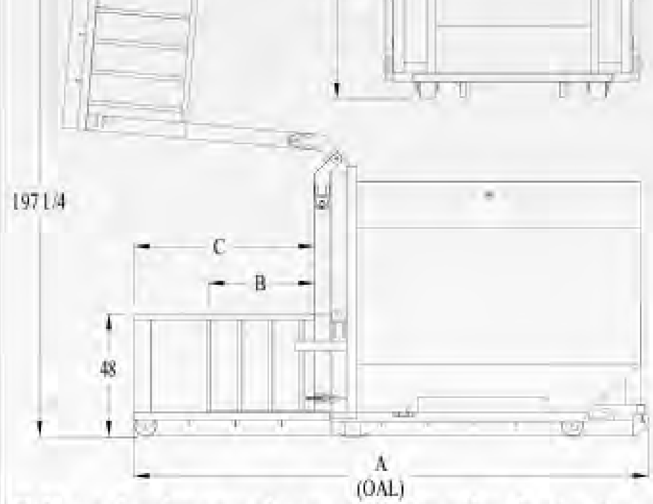
TWO YARD SELF-CONTAINED COMPACTOR

Specifications

		SC-T2-20/25/30/34/38	SC-02-20/25/30/34	SC-T2-20/25/30/34-HTG
Charge Box Capacity		2 Cubic Yard	2 Cubic Yard	2 Cubic Yard
WASTEC Rating		1.52	1.31	1.52
Clear Top Opening		41" x 58"	34" x 58"	41" x 58"
Theoretical Cycle Time		37 Sec	32 Sec	37 Sec
Total Force	Normal	42,700 lbs	39,300 lbs	42,700 lbs
	Maximum	51,250 lbs	47,100 lbs	51,250 lbs
Ram Face Pressure	Normal	24.5 Psi	22.6 Psi	24.5 Psi
	Maximum	29.5 Psi	27.1 Psi	29.5 Psi
Ram Face Dimensions, W X H		60" x 29"	60" x 29"	60" x 29"
Ram Penetration		8"	5.5"	8"
Motor - 3Phase - 208/230/460 Vac		10 Hp	10 Hp	10 Hp
Pump Capacity		10.5 Gpm	10.5 Gpm	10.5 Gpm
Hydraulic Reservoir Capacity		22 GAL	22 Gal	22 Gal
Hydraulic Cylinder	Bore Dia.	Two - 4"	5"	Two - 4"
	Stroke	34"	40"	34"
	Rod Dia.	2"	3"	2"
Operating Pressure	Normal	2000 Psi	2000 Psi	2000 Psi
	Maximum	2400 Psi	2400 Psi	2400 Psi

DIMENSIONS	(A) OVER ALL LENGTH	(B) CLEAR TOP LENGTH	(C) PACKER LENGTH	BASE UNIT WEIGHT	NORMAL CONTAINER CAPACITY
SC-T2-20	17' 4"	41"	71"	9800 lbs	20 CU YD
SC-T2-25	19' - 11"	41"	71"	10,000 lbs	25 CU YD
SC-T2-30	22' - 1"	41"	71"	10,800 lbs	30 CU YD
SC-T2-34	23' 9"	41"	71"	10,900 lbs	34 CU YD
SC-T2-38	25' - 10"	41"	71"	12,000 lbs	38 CU YD
SC-02-20	19'	34"	90 1/2"	9,860 lbs	20 CU YD
SC-02-25	21' - 7"	34"	90 1/2"	10,100 lbs	25 CU YD
SC-02-30	23' - 9"	34"	90 1/2"	10,800 lbs	30 CU YD
SC-02-34	25' - 5"	34"	90 1/2"	10,900 lbs	34 CU YD
SC-T2-20-HTG	17'	41"	71"	10,260 lbs	20 CU YD
SC-T2-25-HTG	19' - 8"	41"	71"	10,900 lbs	25 CU YD
SC-T2-30-HTG	21' 9"	41"	71"	11,540 lbs	30 CU YD





** Above drawings are shown with universal understructures. **

CORPORATE

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PRSM® Professional Retail Store Maintenance

GSA Federal Supply Service

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Integral Rear Feed
Cart Dumper

Side Load
Through-The-Wall
Break-A-Way Hopper

Walk-On
Full Enclosure

Rear Load
Through-The-Wall
Break-A-Way Hopper